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| **Less emphasis on:** | **More emphasis on:** |
|  | **Standards for Mathematical Practice**   * + - Describe mathematical “habits of mind”     - Standards for mathematical proficiency: reasoning, problem solving, modeling, decision making, and engagement     - Connect with content standards in each grade |
| **Numbers and Operations**   * Modeling and comparing values of whole numbers, mixed numbers, fractions and decimals * Representing whole numbers, fractions, mixed numbers, decimals, and percents in equivalent forms * Applying place value concepts to order and compare decimals, fractions, and mixed numbers * Applying properties to evaluate numerical expressions * Estimating solutions of problems involving whole numbers and decimals | **Numbers and Operations**   * Computing fluently with multi-digit numbers and finding common factors and common multiples * Extending previous understandings of arithmetic to algebraic expressions and applying the properties of operations to generate equivalent expressions * Using visual models to conceptualize multiplying and dividing fractions * Developing an understanding of statistical variability/ Ratio concepts/ratio reasoning to solve real world problems/ratio relationships/equivalent ratio tables/plotting on coordinate plane/solving unit rate problems |
| **Measurement**   * Measuring length, perimeter, area, measuring angles with a protractor in isolation * Basic Metric and Customary Measurement Conversions | **Measurement**   * Using nets to find surface area and applying in a real-world context * Ratio reasoning to convert measurement units |
| **Geometry**   * Identifying and classifying 1,2, and 3 dimensional shapes * Translations, rotations, and reflections * Identifying location of points on a 2-dimensional coordinate system * Identifying parts of right triangles | **Geometry**   * Understanding signs of numbers of   3 dimensional shapes in four quadrants of the coordinate plane   * Finding areas of geometric shapes   through composition and decomposition in the context of real-world problems   * Using coordinates in the coordinate plane to find the length of a side of a polygon |
| **Algebraic Concepts**   * Forming a rule for whole number patterns/Determining a function rule from a table or graph * Comparisons of number | **Algebraic Concepts**   * Writing and evaluating numerical expressions involving whole-number exponents, using variables, and order of operations in the context of real-world problems * Reasoning about and solving one-variable equations and inequalities/Using substitution * Applying and extending previous understandings of numbers to the system of rational numbers (i.e. positive and negative numbers in the real world * Ordering rational numbers in the real world * Understanding absolute value/positive and negative numbers/rational numbers conceptually |
| **Data Analysis & Probability**   * Probability and Predictions: Estimating outcomes and likelihood * Gathering and selecting an appropriate format to display data | **Data Analysis & Probability**   * Recognizing statistical variability * Center, spread, and overall shape of data and its meaning * Measures of center and measures of variation |